

# SEQUENCE LISTING

<110> Remacle, Jose  
 Hamels, Sandrine  
 Zammattéo, Nathalie  
 Lockman, Laurence  
 Dufour, Sophie  
 Alexandre, Isabelle  
 De Longueville, Francoise

<120> IDENTIFICATION OF A LARGE NUMBER OF  
 BIOLOGICAL (MICRO)ORGANISMS GROUPS AT DIFFERENT  
 LEVELS BY THEIR DETECTION ON A SAME ARRAY

<130> VANM213.001CP1

<150> EP 00870055.1

<151> 2000-03-24

<150> EP 00870204.5

<151> 2000-03-24

<150> US 09/817,014

<151> 2001-03-23

<160> 321

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer for amplification of S. aureus

<400> 1

cttttgctga tcgtgatgac aaa

23

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> primer for amplification of S. aureus

<400> 2

tttattttaa atatcacgct cttcg

25

<210> 3

<211> 23

<212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. epidermidis*

<400> 3  
 tcgcggtcca gtaatagatt ata 23

<210> 4  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. epidermidis*

<400> 4  
 tgcatttcca gttatttctc cc 22

<210> 5  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. haemolyticus*

<400> 5  
 attgatcatg gtattgatag atac 24

<210> 6  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. haemolyticus*

<400> 6  
 tttaatcttt ttgagtgtct tatac 25

<210> 7  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. saprophyticus*

<400> 7  
 taaaatgaaa caactcgggtt ataag 25

<210> 8  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. saprophyticus*

<400> 8  
 aaactatcca taccattaag tacg 24

<210> 9  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. hominis*

<400> 9  
 cgaccagata acaaaaaaagc acaa 24

<210> 10  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer for amplification of *S. hominis*

<400> 10  
 gtaattcggt accatgttct aa 22

<210> 11  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture nucleotide ATaur02

<400> 11  
 atttaaaata tcacgctctt cgtttag 27

<210> 12  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture nucleotide ATepi02

<400> 12  
 attaagcaca tttctttcat tatttag 27

<210> 13  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> capture nucleotide AThae02

<400> 13

atttaaagtt tcacgttcat tttgtaa

27

<210> 14

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture nucleotide AThom02

<400> 14

atttaatgtc tgacgttctg catgaag

27

<210> 15

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture nucleotide ATsap02

<400> 15

acttaatact tcgcgttcag cctttaa

27

<210> 16

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer APstap03

<400> 16

cccactcgct tatatagaat ttga

24

<210> 17

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer APstap04

<400> 17

ccactagcgt acatcaattt tga

23

<210> 18

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer APstap05

<400> 18  
ggtttaataa agtcaccaac atatt 25

<210> 19  
<211> 47  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence) ATepi03

<221> misc\_feature  
<222> (1)...(20)  
<223> spacer sequence

<400> 19  
gaattcaaag ttgctgagaa attaagcaca tttctttcat tatttag 47

<210> 20  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence) ATepi04

<221> misc\_feature  
<222> (1)...(40)  
<223> spacer sequence

<400> 20  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg attaagcaca tttctttcat 60  
tatttag 67

<210> 21  
<211> 87  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence) ATepi05

<221> misc\_feature  
<222> (1)...(60)  
<223> spacer sequence

<400> 21  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg tttctttaa atctaaagaa 60  
attaagcaca tttctttcat tatttag 87

<210> 22  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence) Ataur27



```

<210> 26
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> capture nucleotide (with spacer sequence) Atsap27

<221> misc_feature
<222> (1)...(40)
<223> spacer sequence

<400> 26
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg acttaatact tcgcgttcag 60
cctttaa                                         67

<210> 27
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer APcons3-1

<400> 27
taayaaartc accaacadatay tc                                         22

<210> 28
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer APcons3-2

<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 28
tymgntcatt tatggaagat ac                                         22

<210> 29
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> capture nucleotide (with spacer sequence ) Ataur15

<221> misc_feature
<222> (1)...(52)
<223> spacer sequence

<400> 29
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg tcttctttaa atgctcttcg 60
tttagtt                                         67

```

<210> 30  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Ataur40

<221> misc\_feature  
<222> (1)...(27)  
<223> spacer sequence

<400> 30  
gaattcaaag ttgctgagaa tagttcaaat ctttatttaa aatatcacgc tcttcgttta 60  
gttcttt 67

<210> 31  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Atana15

<221> misc\_feature  
<222> (1)...(52)  
<223> spacer sequence

<400> 31  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg tcttcttaaa atgctcttca 60  
ttagtt 67

<210> 32  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Atana27

<221> misc\_feature  
<222> (1)...(40)  
<223> spacer sequence

<400> 32  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg gtttaaaata tcacgctott 60  
catttag 67

<210> 33  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Atana40



<221> misc\_feature  
<222> (1)...(27)  
<223> spacer sequence

<400> 33  
gaattcaaag ttgctgagaa tagttcaaat ctttggttaa aatatcacgc ttttcattta 60  
gttcttt 67

<210> 34  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Atepi15

<221> misc\_feature  
<222> (1)...(52)  
<223> spacer sequence

<400> 34  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg ttttcttaa attttcatta 60  
tttagtt 67

<210> 35  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture nucleotide (with spacer sequence ) Atepi40

<221> misc\_feature  
<222> (1)...(27)  
<223> spacer sequence

<400> 35  
gaattcaaag ttgctgagaa tagttcaaat ctttattaag cacatttctt tcattattta 60  
gttcctc 67

<210> 36  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> spacer sequence

<400> 36  
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg 40

<210> 37  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>

<223> S. aureus femA capture sequence

<400> 37

atttaaaata tcacgctctt cgttttag

27

<210> 38

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> S. epidermidis femA capture sequence

<400> 38

attaagcaca tttctttcat tattttag

27

<210> 39

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> S. haemolyticus femA capture sequence

<400> 39

atttaaagtt tcacgttcat tttgtaa

27

<210> 40

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> S. hominis femA capture sequence

<400> 40

atttaatgtc tgacgttctg catgaag

27

<210> 41

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> S. saprophyticus femA capture sequence

<400> 41

acttaatact tcgcgttcag cctttaa

27

<210> 42

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> S. capitis femA capture sequence

<400> 42  
attaagaaca tctctttcat tattaag 27

<210> 43  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. caseolyticus femA capture sequence

<400> 43  
ataaagacat tcgagacgaa ggct 24

<210> 44  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. cohnii femA capture sequence

<400> 44  
acttaacact tcacgctctg acttgag 27

<210> 45  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. gallinarum femA capture sequence

<400> 45  
acttaaaaact tcacgttcag cagtaag 27

<210> 46  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. intermedius femA capture sequence

<400> 46  
gtggaaatct tgctcttcag atttcag 27

<210> 47  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. lugdunensis femA capture sequence

<400> 47  
ttctaaagtt tgcgttcac tcgtag 27

<210> 48  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> *S. schleiferi* femA capture sequence

<400> 48  
tttaaagtct tgcgcttcag tgttgag 27

<210> 49  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> *S. sciuri* femA capture sequence

<400> 49  
gttgattgt tcatgttctt tttctaa 27

<210> 50  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> *S. simulans* femA capture sequence

<400> 50  
ttctaaattc tttgttcag cgttcaa 27

<210> 51  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> *S. warneri* femA capture sequence

<400> 51  
agttaagggt tctttttcat tattgag 27

<210> 52  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> *S. xylosis* femA capture sequence

<400> 52  
gcttaacacc tcacgttgag cttgcaa 27

<210> 53

adobe pdf creator

<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer MycU4 sense

<400> 53  
catgcagtga attagaacgt 20

<210> 54  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer APmcon02 antisense

<400> 54  
gtasgtcatr rstyctcc 18

<210> 55  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacteria avium capture probe

<400> 55  
cggtcgtctc cgaagccgc g 21

<210> 56  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacteria gastrii 1 capture probe

<400> 56  
gatcggcagc ggtgccggg 20

<210> 57  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacteria gastrii 3 capture probe

<400> 57  
gtatcgcggg cggaaggt 19

<210> 58  
<211> 24

<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacteria gastrii 5 capture probe

<400> 58  
tctgccgatc ggcagcgggtg ccgg 24

<210> 59  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacteria gastrii 7 capture probe

<400> 59  
gccggggccg gtattcgcg ggcgg 24

<210> 60  
<211> 22  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Mycobacteria gordonae capture probe

<400> 60  
gacggggcact agttgtcaga gg 22

<210> 61  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacterium intracellulare 1 capture probe

<400> 61  
gggccgcgg gggcctcgcc g 21

<210> 62  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Mycobacterium intracellulare 3 capture probe

<400> 62  
gcctcgccgc ccaagacagt g 21

<210> 63

<211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Mycobacterium leprae capture probe

<400> 63  
 gatttcggcg tccatcggtg g 21

<210> 64  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Mycobacterium kansas 1 capture probe

<400> 64  
 gatcgtcggc agtggtgacg g 21

<210> 65  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Mycobacterium kansas 3 capture probe

<400> 65  
 tcgtcggcag tggtgac 17

<210> 66  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Mycobacterium kansas 5 capture probe

<400> 66  
 atccgccgat cgtcggcagt ggtgacg 27

<210> 67  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Mycobacterium malmoense capture probe

<400> 67  
 gaccacaac actggtcggc g 21

<210> 68  
 <211> 21  
 <212> DNA

Sequence

<213> Artificial Sequence

<220>

<223> Mycobacterium marinum capture probe

<400> 68

cggaggtgat ggcgctggtc g

21

<210> 69

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Mycobacterium scrofulaceum capture probe

<400> 69

cggcggcacg gatcggcgtc

20

<210> 70

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Mycobacterium simiae capture probe

<400> 70

atcgctcctg gtcgcgcta

20

<210> 71

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Mycobacterium szulgai capture probe

<400> 71

cccggcgcgga ccagcagaac g

21

<210> 72

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Mycobacterium tuberculosis capture probe

<400> 72

gccgtccagt cgttaatgtc gc

22

<210> 73

<211> 22

<212> DNA

<213> Artificial Sequence



<220>	
<223> Mycobacterium xenopi capture probe	
<400> 73	
cggtagaagc tgcgatgaca cg	22
<210> 74	
<211> 45	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Spacer Sequence	
<400> 74	
gaattcaaag ttgctgagaa tagttcaatg gaaggaagcg tcttc	45
<210> 75	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus primer DPSCONS2 sense	
<400> 75	
gggctccagc agccaagaag agga	24
<210> 76	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus primer DPSMAGE1 sense	
<400> 76	
gggttccagc agccgtgaag agga	24
<210> 77	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus primer DPSMAG8 sense	
<400> 77	
gggttccagc agcaatgaag agga	24
<210> 78	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus primer DPSMAG12 sense	

20250303 14:00:00

<400> 78  
gggctccagc aacgaagaac agga 24

<210> 79  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer DPASCONB4 antisense

<400> 79  
cggctactcca ggtagttttc ctgc 24

<210> 80  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 1 DTAS01

<400> 80  
acaaggactc caggatacaa gaggtgc 27

<210> 81  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 2 DTAS02

<400> 81  
actcggactc caggtcggga aacattc 27

<210> 82  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 3 DTS0306

<400> 82  
aagacagtat cttgggggat cccaaga 27

<210> 83  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 4 DTAS04

<400> 83

tcggaacaag gactctgcgt caggcga 27

<210> 84  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 5 DTAS05

<400> 84  
gctcggaaca cagactctgg gtcaggg 27

<210> 85  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 6 DTS06

<400> 85  
caagacaggc ttcttgataa tcatcct 27

<210> 86  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 7 DTAS07

<400> 86  
aggacgccag gtgagcgggg tgtgtct 27

<210> 87  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 8 DTAS08

<400> 87  
gggactccag gtgagctggg tccgggg 27

<210> 88  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 9 DTAS09

<400> 88  
tgaactccag ctgagctggg tcgaccg 27

sequence

<210> 89  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 10 DTAS10

<400> 89  
tgggtaaaga ctcaactgtct ggcagga

27

<210> 90  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 11 DTAS11

<400> 90  
gaaaaggact caggtcttat caggtca

27

<210> 91  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe Mage 12 DTAS12

<400> 91  
gtgctacttg gaagctcgtc tccaggt

27

<210> 92  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer CONSENSUS2-3-4 sense

<400> 92  
tgcagacmac caccaactac tt

22

<210> 93  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer CONSENSUS1-5 sense

<400> 93  
tgmggkccaa gatgaccaac wt

22

<210> 94  
<211> 22



<220>  
 <223> capture probe DRD5  
  
 <400> 99  
 ctgggtactg gcccttttggg acattct

27

<210> 100  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer H1sense

<400> 100  
 ctccgtccag caaccct

18

<210> 101  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer H2sense

<400> 101  
 ctgtgctggt caccctcagt

19

<210> 102  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer H3sense

<400> 102  
 actcatcagc tatgaccgat t

21

<210> 103  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer H1antisense

<400> 103  
 accttccttg gtatcgtctg

20

<210> 104  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> primer H2 antisense

<400> 104  
gaaaccagca gatgatgaac g 21

<210> 105  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer H3 antisense

<400> 105  
gcatctggtg ggggttctg 19

<210> 106  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe H1

<400> 106  
ccccaggatg gtagcgga 18

<210> 107  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe H2

<400> 107  
aggatagggt gatagaaata ac 22

<210> 108  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe H3

<400> 108  
tctcgtgtcc ccctgctg 18

<210> 109  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> general consensus primer sequence for subtypes 1A,  
1B, 1C, 1D, 1E, 2A, 2B, 2C, 4, 6, and 7 sense

```

<400> 109
atcgtgcacc tstgbgbcac                                     20

<210> 110
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer for subtype 1A sense

<400> 110
atcctgcacc tgtgcgccat                                     20

<210> 111
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer for subtype 1B sense

<400> 111
atcatgcatc tctgtgtcat                                     20

<210> 112
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer for subtype 1C sense

<400> 112
atcatgcacc tctgcgccat                                     20

<210> 113
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer for subtype 1D sense

<400> 113
atcctgcatc tctgtgtcat                                     20

<210> 114
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer for subtype 1E sense

<400> 114

```



atcttgcacc tgcggctat 20

<210> 115

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for subtype 2A sense

<400> 115

atcatgcacc tctgcgcat 20

<210> 116

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for subtype 2B sense

<400> 116

atcatgcacc tctgtgcat 20

<210> 117

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for subtype 2C sense

<400> 117

atcatgcacc tctgcgcat 20

<210> 118

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for subtype 4 sense

<400> 118

atttttcacc tctgctgcat 20

<210> 119

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for subtype 6 sense

<400> 119

atcctcaacc tctgcttcat 20

<210> 120  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for subtype 7 sense  
  
 <400> 120  
 atcatgaccc tgtgcgtgat 20  
  
 <210> 121  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> general consensus primer for 4, 6  
  
 <400> 121  
 atcytycacc tctgcykcat 20  
  
 <210> 122  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for 4  
  
 <400> 122  
 atttttcacc tctgctgcat 20  
  
 <210> 123  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for 6  
  
 <400> 123  
 atttttcacc tctgctgcat 20  
  
 <210> 124  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> general consensus primer for 5A, 5B  
  
 <400> 124  
 atctggaayg tgrcagccat 20  
  
 <210> 125  
 <211> 20

<212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for 5A  
  
 <400> 125  
 atctggaatg tgacagcaat 20  
  
 <210> 126  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for 5B  
  
 <400> 126  
 atctggaacg tggcggccat 20  
  
 <210> 127  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for Specific 7  
  
 <400> 127  
 atcatgaccc tgtgctgat 20  
  
 <210> 128  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer for Specific 3B  
  
 <400> 128  
 cttccggaac gattagaaa 19  
  
 <210> 129  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> general consensus primer for Consensus subtypes  
       1A, 1B, 1C, 1D, 1E, 2A, 2B, 2C, 4, 7  
  
 <221> misc\_feature  
 <222> (1)...(17)  
 <223> n = A,T,C or G  
  
 <400> 129  
 ttgghngcyt tcygbtc 17

<210> 130  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer Consensus subtype 1A antisense

<400> 130  
ttcaccgtct tcctttc

17

<210> 131  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 1B  
antisense

<400> 131  
ttggtggctt tgcgctc

17

<210> 132  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 1C  
antisense

<400> 132  
ttggaagctt tcttttc

17

<210> 133  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 1D  
antisense

<400> 133  
ttagtggtt tcctttc

17

<210> 134  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 1E  
antisense

<400> 134  
gtggctgctt tgcgttc 17

<210> 135  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 2A  
antisense

<400> 135  
ttgcacgcct tttgctc 17

<210> 136  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 2B  
antisense

<400> 136  
tttgaggctc tctgttc 17

<210> 137  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 2C  
antisense

<400> 137  
ttggaagctt tcttttc 17

<210> 138  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 4 antisense

<400> 138  
ttggctgctt tccggtc 17

<210> 139  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus subtype 7 antisense

<400> 139  
gtggctgctt tctgttc 17

<210> 140  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus Specific 1A  
antisense

<400> 140  
ttcacgctct tcctttc 17

<210> 141  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus Specific 4  
antisense

<400> 141  
tcttggctgc ttgggc 17

<210> 142  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer for Consensus Specific 6  
antisense

<400> 142  
ataaagagcg ggtagatg 18

<210> 143  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer Consensus 5A,5B antisense

<400> 143  
ccttctgctc cctcca 16

<210> 144  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>

<223> consensus primer for Consensus 5A antisense

<400> 144

ccttctgttc cctcca

16

<210> 145

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for Consensus 5B antisense

<400> 145

ccttctgctc ccgcca

16

<210> 146

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer for Specific 3B antisense

<400> 146

accggggact ctgtgt

16

<210> 147

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HTR1C

<400> 147

ctatgctcaa taggattacg t

21

<210> 148

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HTR2A

<400> 148

gtggtgaatg gggttctgg

19

<210> 149

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HTR2B

<400> 149 tggcctgaat tggctttttg a	21
<210> 150 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> capture probe HTR2C/1C	
<400> 150 ttattcacga acacttttgct tt	22
<210> 151 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> capture probe HTR1B	
<400> 151 aatagtccac cgcatcagtg	20
<210> 152 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> capture probe HTR1D	
<400> 152 gtactccagg gcatcggtg	19
<210> 153 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> capture probe HTR1A	
<400> 153 catagtctat agggtcggtg	20
<210> 154 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> capture probe HTR1E	
<400> 154 atactcgact gcgtctgtga	20



<210> 155  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR7  
  
 <400> 155  
 gtacgtgagg ggtctcgtg 19  
  
 <210> 156  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR5A  
  
 <400> 156  
 ggcgcggttat tgaccagta 19  
  
 <210> 157  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR5B  
  
 <400> 157  
 ggcgcggtgat agtccagt 18  
  
 <210> 158  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR3B  
  
 <400> 158  
 gatatcaaag gggaaagcgt a 21  
  
 <210> 159  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR4  
  
 <400> 159  
 aaaccaaagg ttgacagcag 20  
  
 <210> 160

<211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HTR6  
  
 <400> 160  
 gtagcgagc ggcgagag 18

<210> 161  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer IPSCONA sense  
  
 <400> 161  
 gacagcgacg ccgagagcca 20

<210> 162  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> consensus primer IPASCONA antisense  
  
 <400> 162  
 cgtgtcctgg gtctggtcct cc 22

<210> 163  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HLA-A1 ITSA01  
  
 <400> 163  
 ggagggccgg tgcgtggacg ggctccg 27

<210> 164  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> capture probe HLA-A2 ITASA02  
  
 <400> 164  
 tctccccgtc ccaatactcc ggaccct 27

<210> 165  
 <211> 27  
 <212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HLA-A3 ITASA03A

<400> 165

ctgggccttc acattccgtg tctcctg

27

<210> 166

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HLA-A3 ITSA03B

<400> 166

agcgcaagtg ggaggcggcc catgagg

27

<210> 167

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HLA-A11 ITSA11A

<400> 167

gcccattgcgg cggagcagca gagagcc

27

<210> 168

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HLA-A11 ITSA11B

<400> 168

cctggagggc cggcgctgg agtggct

27

<210> 169

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe HLA-A23 ITSA23A

<400> 169

gcccgtgtgg cggagcagtt gagagcc

27

<210> 170

<211> 27

<212> DNA

<213> Artificial Sequence

<220>  
<223> capture probe HLA-A23 ITASA23B

<400> 170  
ccttcacttt ccctgtctcc tcgtccc

27

<210> 171  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A24 ITSA24A

<400> 171  
gccccatgtgg cggagcagca gagagcc

27

<210> 172  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A24 ITASA24B

<400> 172  
tagcggagcg cgatccgcag gttctct

27

<210> 173  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A25 ITASA25A

<400> 173  
tagcggagcg cgatccgcag gctctct

27

<210> 174  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A25 ITASA25B

<400> 174  
tcacattccg tgtgttccgg tcccaat

27

<210> 175  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A26 ITASA26

```

<400> 175
gggtccccag gttcgctcgg tcagtct
27

<210> 176
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> capture probe HLA-A29 ITASA29

<400> 176
tcacattccg tgtctgcagg tcccaat
27

<210> 177
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> capture probe HLA-A30 ITASA30

<400> 177
cgtaggcgtg ctgttcatac ccgcgga
27

<210> 178
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> capture probe HLA-A31 ITASA31

<400> 178
cccaatactc aggctctctc tgctcta
27

<210> 179
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> capture probe HLA-A33 ITSA33

<400> 179
cgcacggacc cccccaggac gcatatg
27

<210> 180
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> capture probe HLA-A68 ITSA68A

<400> 180

```

ggcggcccat gtggcggagc agtggag 27

<210> 181  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A68 ITASA68B

<400> 181  
gtcgtaggcg tcctgccggt acccgcg 27

<210> 182  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe HLA-A69 ITASA69

<400> 182  
atcctctgga cgggtgtgaga accggcc 27

<210> 183  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> sense primer for cytochrome P450

<400> 183  
gccagagcct gagga 15

<210> 184  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer consensus a3, a23, a1, a2 antisense

<400> 184  
tcaaaagaaa ttaacagaga 20

<210> 185  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer Specific a9 antisense

<400> 185  
acaatgaagg taacatagg 19

<210> 186  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer Specific a18 antisense

<400> 186  
 actgatggaa ctaactgg 18

<210> 187  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture probe 3a1

<400> 187  
 tgttttgatt cggtacatct ttg 23

<210> 188  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture probe 3a3

<400> 188  
 ttgatttggt acatctttgc t 21

<210> 189  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture probe 3A9

<400> 189  
 actcctgggg gttttgggtg 20

<210> 190  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> capture probe 3A18

<400> 190  
 attactgagt attcagaaat tcac 24

<210> 191  
 <211> 25

<212> DNA  
<213> Artificial Sequence

<220>  
<223> capture probe 3A2

<400> 191  
ggttaaagat ttggtacatt tatgg 25

<210> 192  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer OPP35S1 (P-35S) Forward

<400> 192  
cgtcttcaaa gcaagtggat tg 22

<210> 193  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer OPT352 (T-35S) Reverse

<400> 193  
gaaaccctaa ttcccttatc aggg 24

<210> 194  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer OPTE91 (T-E91) Forward

<400> 194  
tcatggattt gtagttgagt atgaa 25

<210> 195  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer OPTnos2 (T-nos) Reverse

<400> 195  
atcttaagaa actttattgc caaatgt 27

<210> 196  
<211> 21  
<212> DNA  
<213> Artificial Sequence



```

<220>
<223> consensus primer OPEPS3 (EPSPS) Forward

<400> 196
gctgtagttg ttggctgtgg t
21

<210> 197
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer OPTE92 (T-E9) Reverse

<400> 197
ctgatgcatt gaacttgacg a
21

<210> 198
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer OPLB1 (octopine Left Border)
Forward

<400> 198
atcagcaatg agtatgatgg tcaat
25

<210> 199
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer OPEPS4 (EPSPS) Reverse

<400> 199
gcgacatcag gcatcttggt
20

<210> 200
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus primer OPLB3 (nopaline Left Border)
Forward

<400> 200
acaaattgac gcttagacaa ct
22

<210> 201
<211> 21
<212> DNA

```

<213> Artificial Sequence

<220>

<223> consensus primer OPRB2 (octopine Right Border)  
Reverse

<400> 201

tgccagtcag catcatcaca c

21

<210> 202

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer OPRB4 (nopaliine Right Border)  
Reverse

<400> 202

taagggagtc acgttatgac c

21

<210> 203

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe OT1 pat (T25, Bt11)

<400> 203

tggtggatgg catgatgttg gtttttggca

30

<210> 204

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe OT2 CryIAb (Bt11)

<400> 204

gcacgaagct ctgcaatcgc acaaaccgt

30

<210> 205

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> capture probe OT3 P-PCK (Bt176)

<400> 205

tgggggtagc tgtagtcgga ctcggactgg

30

<210> 206

<211> 30

<212> DNA

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health status	0.8	0.2	0	1
Employment status	0.7	0.3	0	1
Life satisfaction	4.5	1.0	1	7
Depression	0.2	0.4	0	1
Stress	3.5	1.5	1	7
Resilience	5.5	1.0	3	7
Optimism	4.0	1.0	1	7
Self-efficacy	5.0	1.0	3	7
Hope	4.5	1.0	1	7
Positive affect	4.0	1.0	1	7
Negative affect	3.0	1.0	1	7
Life satisfaction (cont.)	4.5	1.0	1	7
Depression (cont.)	0.2	0.4	0	1
Stress (cont.)	3.5	1.5	1	7
Resilience (cont.)	5.5	1.0	3	7
Optimism (cont.)	4.0	1.0	1	7
Self-efficacy (cont.)	5.0	1.0	3	7
Hope (cont.)	4.5	1.0	1	7
Positive affect (cont.)	4.0	1.0	1	7
Negative affect (cont.)	3.0	1.0	1	7

<223> capture probe OT4 CP4EPS/PS/Tnos

agcccctagc taggggggtgg ccaggaagta

30

<211> 20

<212> DNA

<213> Artificial Sequence

<223> consensus primer Pgyr1

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (20)$ 
$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

<400> 207

gangtnatsg gtaaatayca

20

<210> 208

<211> 17

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> consensus primer Pgyr2

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (17)$ 

<223> n = A, T, C or G

<400> 208

cgnryytcvg trtaacg

17

<210> 209

 $\langle 211 \rangle \quad 90$ 

&lt;212&gt; DNA

<213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> spacer sequence

<400> 209

ataaaaaaagt	gggtcttaga	aataaaatttc	gaagtgcaat	aattattatt	cacaacattt	60
cgattttttgc	aactaattca	gttcaactcca				90

90

 $\langle 210 \rangle$  210 $\langle 211 \rangle$  34

<212> DNA

<213> Staphylococcus genus

 $\langle 400 \rangle$  210

gactcwtcaa tttatgawgc hatggtahga aygg	34
<210> 211	
<211> 30	
<212> DNA	
<213> Enterococcus genus	
<400> 211	
gacagtgcga tytaygartc aatggtrcgg	30
<210> 212	
<211> 29	
<212> DNA	
<213> Streptococcus genus	
<400> 212	
tggttcgtat ggctcaatgg tggagytay	29
<210> 213	
<211> 28	
<212> DNA	
<213> Staphylococcus aureus	
<400> 213	
ctcaagattt cagttatcgt tatccgct	28
<210> 214	
<211> 28	
<212> DNA	
<213> Staphylococcus epidermidis	
<400> 214	
cccaagactt tagttatcgt tatccact	28
<210> 215	
<211> 27	
<212> DNA	
<213> Staphylococcus hominis	
<400> 215	
cacaaacctt tagctatcgt tatectc	27
<210> 216	
<211> 27	
<212> DNA	
<213> Enterococcus faecium	
<400> 216	
acagccattc agctaccgtt atatgct	27
<210> 217	
<211> 29	
<212> DNA	
<213> Enterococcus faecalis	
<400> 217	
aaccttttag ttatcgggct atgttagtt	29

```

<210> 218
<211> 25
<212> DNA
<213> Streptococcus pneumoniae

<400> 218
gatggagata gtgctgccgc tcaac
25

<210> 219
<211> 26
<212> DNA
<213> Streptococcus epyogenes

<400> 219
cttggtgatg ggcatggcaa ttttgg
26

<210> 220
<211> 28
<212> DNA
<213> Haemophilus influenzae

<400> 220
ttctcacttc gctatatgtt ggttgatg
28

<210> 221
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' aminated primer

<400> 221
gaattcaaag ttgctgagaa tagttca
27

<210> 222
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> viral consensus primer

<221> misc_difference
<222> (1)...(1)
<223> N is A or G

<221> misc_difference
<222> (2)...(2)
<223> N is C, A or T

<221> misc_difference
<222> (3)...(3)
<223> N is G, C or T

<221> misc_difference

```

20250707 10:50:00

<222> (13)...(13)  
<223> N is T or A

<221> misc\_difference  
<222> (14)...(14)  
<223> N is T, A or C

<221> misc\_difference  
<222> (15)...(15)  
<223> N is C or T

<221> misc\_difference  
<222> (16)...(16)  
<223> N is G, A or C

<400> 222  
nnngccgccg tgnnnn

16

<210> 223  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> viral consensus primer

<221> misc\_difference  
<222> (2)...(2)  
<223> N is T, G or C

<221> misc\_difference  
<222> (3)...(3)  
<223> N is G, T or A

<221> misc\_difference  
<222> (13)...(13)  
<223> N is G or A

<221> misc\_difference  
<222> (14)...(14)  
<223> N is T or C

<221> misc\_difference  
<222> (15)...(15)  
<223> N is G or C

<221> misc\_difference  
<222> (16)...(16)  
<223> N is G or T

<400> 223  
gnngttgttt tttnnn

16

<210> 224  
<211> 27  
<212> DNA  
<213> Artificial Sequence

20250504

<220>  
<223> Adenovirus capture nucleotide sequence  
  
<400> 224  
aactcttctc gctggcactc aagagtg 27  
  
<210> 225  
<211> 27  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Herpes virus 1 capture nucleotide sequence  
  
<400> 225  
gtggaagtcc tgataccat cctacac 27  
  
<210> 226  
<211> 27  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Herpes virus 5 capture nucleotide sequence  
  
<400> 226  
aaaagcgtgt gatctgaccg aggcgaa 27  
  
<210> 227  
<211> 27  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Herpes virus 4 capture nucleotide sequence  
  
<400> 227  
aggtccttga ggaagaagtg ttccagg 27  
  
<210> 228  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> consensus primer Meat1  
  
<400> 228  
tcctcccatg aggagaaata t 21  
  
<210> 229  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>

<223> consensus primer Meat2

<400> 229

agcgaagaat cgggtaaggg t

21

<210> 230

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Chicken capture nucleotide sequence

<400> 230

ccttaacgac tcttatocaa acactatgcc accggggag

39

<210> 231

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Duck capture nucleotide sequence

<400> 231

ccctaacgac tcttatocaa acactactgc catcgggag

40

<210> 232

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Ostrich capture nucleotide sequence

<400> 232

ccttaacgaa ctctaag

17

<210> 233

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Pig capture nucleotide sequence

<400> 233

aaagaggagt agaatacacga ttaag

25

<210> 234

<211> 40

<212> DNA

<213> Artificial Sequence



Sequence

<220>

<223> Quail capture nucleotide sequence

<400> 234

ccatgtcgac tcttatccaa acactactgc catcgtggag 40

<210> 235

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Rabbit capture nucleotide sequence

<400> 235

ccctaacgac tatcctccaa tcactaatgc caacgagggg 40

<210> 236

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Turkey capture nucleotide sequence

<400> 236

ccctaacgac tcttatccaa acactactgc catcgggag 39

<210> 237

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Wildpig capture nucleotide sequence

<400> 237

ccctatcgac tatcttctaa acactactgg catcgaggag 40

<210> 238

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Cow capture nucleotide sequence

<400> 238

cctaacgact attctccaac cactactgac aacgaggag 39

<210> 239

<211> 96  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> consensus capture nucleotide sequence for  
 cytochrome b

<400> 239  
 attctgaggg gcaccgtcat cacaaaccta tttagcaat ccctacatg gcaaacccta 60  
 gtagaatgag cctgaggggg attttcagtg acaacc 96

<210> 240  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> consensus primer Cow1

<400> 240  
 aagacataat atgtatatag tac 23

<210> 241  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> consensus primer Cow2

<400> 241  
 gaaaaattta aataagtatc tag 23

<210> 242  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> BrownSwiss capture nucleotide sequence

<400> 242  
 gcggcatgat aatta 15

<210> 243  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Jersey capture nucleotide sequence

Sequence

<400> 243  
cgctattcaa tgaat 15

<210> 244  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Ayrshire capture nucleotide sequence

<400> 244  
gctcaccata actgt 15

<210> 245  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Hereford capture nucleotide sequence

<400> 245  
atctgatggg aagga 15

<210> 246  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Simmental capture nucleotide sequence

<400> 246  
ataagcctgg acatt 15

<210> 247  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Piemontaise capture nucleotide sequence

<400> 247  
ataagcatgg acatt 15

<210> 248  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Canadienne capture nucleotide sequence

<400> 248  
tcactcggca tgata 15

<210> 249  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RedAngus capture nucleotide sequence

<400> 249  
aatggtaggg gatat 15

<210> 250  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Limousine capture nucleotide sequence

<400> 250  
atggactcat ggcta 15

<210> 251  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> AberdeenAngus capture nucleotide sequence

<400> 251  
tattcaatga acttt 15

<210> 252  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Butana capture nucleotide sequence

<400> 252  
gcatggggta tataa 15

<210> 253  
<211> 16  
<212> DNA

<213> Artificial Sequence

<220>

<223> Charolais capture nucleotide sequence

<400> 253

ataagcgtgg acatta

16

<210> 254

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Fresian capture nucleotide sequence

<400> 254

ccttaaatac ctacc

15

<210> 255

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Kenana capture nucleotide sequence

<400> 255

tgctatagaa gtcac

15

<210> 256

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> N 'Dama capture nucleotide sequence

<400> 256

tggtatagaa gtcac

15

<210> 257

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> consensus primer PPss3

<221> misc\_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 257  
ggtttggaga rrggntgggg 20

<210> 258  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> consensus primer PPss4

<400> 258  
tccaadatgt avacaacctg 20

<210> 259  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TPss1 (potato) capture nucleotide sequence

<400> 259  
gaagcatgca taccatctct agca 24

<210> 260  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TPss3 (tomato) capture nucleotide sequence

<400> 260  
ggagcatgca gatcatctct agaa 24

<210> 261  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TPss7 (oryza) capture nucleotide sequence

<400> 261  
gaagcaagtg gatggtgtca agca 24

<210> 262  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TPss8 (zea) capture nucleotide sequence

<400> 262  
agaggaggtg gatagtctcc tgtg 24

<210> 263  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TPss9 (soja) capture nucleotide sequence

<400> 263  
 agagaagttg aattgactca agga 24

<210> 264  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TPss11 (wheat) capture nucleotide sequence

<400> 264  
 agagaaggtg gatagtctcg ctcg 24

<210> 265  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TPss12 (bareley) capture nucleotide sequence

<400> 265  
 agagaaggtg gatagtctcg ctcg 24

<210> 266  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TPss13 (bean) capture nucleotide sequence

<400> 266  
 atagaagctg aatggactcg agca 24

<210> 267  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TPss14 (carrot) capture nucleotide sequence

<400> 267  
 gaagcatgtg aaacatctca gtaa 24

<210> 268

```

<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Fish1 consensus primer

<400> 268
actatthcta gccatvcayt a
21

<210> 269
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Fish2 consensus primer

<400> 269
aggtaggagc cataaagacc tcg
23

<210> 270
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> G. morhua capture nucleotide sequence

<400> 270
aaggcttaat cagtcggcat caaatgta
28

<210> 271
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> G. macrocephalus capture nucleotide sequence

<400> 271
aaggcttact cagttggcat taaatgta
28

<210> 272
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> P. flesus capture nucleotide sequence

<400> 272
gaagcctact cagttggcat caactgca
28

<210> 273
<211> 28
<212> DNA

```



<213> Artificial Sequence

<220>

<223> M. merluccius capture nucleotide sequence

<400> 273

aacgcctaata cagtaggcat taaatgca

28

<210> 274

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> O. mykiss capture nucleotide sequence

<400> 274

aaagcttact cagtcggcat tgattgta

28

<210> 275

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> P. platessa capture nucleotide sequence

<400> 275

gaagcctatt cagtcggcat caactgca

28

<210> 276

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> P. virens capture nucleotide sequence

<400> 276

aaagcttaata tagtcggcat taaatgta

28

<210> 277

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> S. salar capture nucleotide sequence

<400> 277

caatgcctac tcagtcggta tcgattgta

29

<210> 278

<211> 28

<212> DNA

<213> Artificial Sequence

<220>  
<223> S. pilchardus capture nucleotide sequence

<400> 278  
gaagcttagt cagtaggcat caaatgca 28

<210> 279  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> A. thazard capture nucleotide sequence

<400> 279  
aaagcctatt cagttggctt caaatgta 28

<210> 280  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> T. alalunga capture nucleotide sequence

<400> 280  
aaagcctact cagtaggctt caaatgta 28

<210> 281  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> T. obesus capture nucleotide sequence

<400> 281  
aaagcctact cagttggctt taactgtta 29

<210> 282  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> R. hippoglossoides capture nucleotide sequence

<400> 282  
gaagcctatt cagtcggcat caactgca 28

<210> 283  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. trutta capture nucleotide sequence

<400> 283  
aaagcctact cagtcggcat cgattgca 28

<210> 284  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. sarda capture nucleotide sequence

<400> 284  
aaagcctaata cagtcggcctt taattgca 28

<210> 285  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> T. thynnus capture nucleotide sequence

<400> 285  
aaggcctatt cagttggcctt caactgta 28

<210> 286  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. scombrus capture nucleotide sequence

<400> 286  
aacgcctact cagtaggcctt caaatgca 28

<210> 287  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Salmonidae family capture nucleotide sequence

<400> 287  
aaacattcac gctaacggag catctttctt ctttatctgt 40

<210> 288  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Pleuronectidae family capture nucleotide sequence

<400> 288

```

aagcattcat gccaacggcg catcattctt tttcatttgc
40

<210> 289
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Pleuronectidae family capture nucleotide sequence

<400> 289
gaatatacat gctaattggtg cctctttctt ttttatttgc
40

<210> 290
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Scrombridae family capture nucleotide sequence

<400> 290
aaacctccac gcaaacggag cctctttctt tctttatctg c
41

<210> 291
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Thunnus genus capture nucleotide sequence

<400> 291
attccacatc ggccg
15

<210> 292
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Fish consensus capture nucleotide sequence

<400> 292
atccgaaaca tccacgcaac gggcatcttt cttctttatc tgtatctact tacacat
57

<210> 293
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> P450-1 consensus primer

```

<400> 293  
tccgcaactt gggcctgggc aaga 24

<210> 294  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> P450-2 consensus primer

<400> 294  
ccttctccat ctctgccagg aag 23

<210> 295  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 wild-type capture nucleotide sequence

<400> 295  
gaaaggggcg tcttggg 17

<210> 296  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 capture nucleotide sequence, point mutation

<400> 296  
gaaaggggcg tcttggg 17

<210> 297  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 capture nucleotide sequence, wild type

<400> 297  
gctaactgag cacagga 17

<210> 298  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 capture nucleotide sequence  
(deletion)

<400> 298  
gctaaactgag cacgga

16

<210> 299  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 capture nucleotide sequence, wild  
type

<400> 299  
ctcggtcacc ccctgc

16

<210> 300  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2D6 capture nucleotide sequence  
(deletion)

<400> 300  
ctcggtcacc cctgc

15

<210> 301  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2C19 capture nucleotide sequence, wild  
type

<400> 301  
aattatttcc caggaa

16

<210> 302  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2C19 capture nucleotide sequence, point  
mutation

<400> 302  
aattatttcc caggaa 16

<210> 303  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2C19 capture nucleotide sequence, wild type

<400> 303  
agcaccctcc gaatcc 16

<210> 304  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Human CYP2C19 capture nucleotide sequence, point mutation

<400> 304  
agcaccctcc gaatcc 16

<210> 305  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> sense consensus primer, *S. saprophyticus*

<400> 305  
gaatttrgttg aaatggaa 18

<210> 306  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> antisense consensus primer, *S. saprophyticus*

<400> 306  
gtagtacgga artagaa 17

<210> 307  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> sense primer of double labelled probe (S.  
saprophyticus)

<400> 307  
ggtggtgaaa tggtcc 16

<210> 308  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Meningococcus capture probe

<400> 308  
cgacctgctg tccagct 17

<210> 309  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Streptococcus capture probe

<400> 309  
cttcaggacg tatcgacc 18

<210> 310  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Staphylococcus capture probe

<400> 310  
ttattagact acgctgaag 19

<210> 311  
<211> 18  
<212> DNA  
<213> Artificial Sequence



<220>  
<223> N. meningitidis serogroup A capture probe

<400> 311  
tctatttccg gtcgtggt 18

<210> 312  
<211> 16  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> N. meningitidis serogroup B capture probe

<400> 312  
ccatttccgg ccgcgg 16

<210> 313  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> H. influenzae capture probe

<400> 313  
gagtttagcaa accacttag 19

<210> 314  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> E. coli capture probe

<400> 314  
aactggctgg cttcctg 17

<210> 315  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> S. pneumoniae capture probe

<400> 315  
gtatcaaaga agaaactcaa a 21

<210> 316

<211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> *S. agalactiae* capture probe

<400> 316  
 gtattaaaga agatatccaa a 21

<210> 317  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> *S. aureus* capture probe

<400> 317  
 ggtttacatg acacatctaa 20

<210> 318  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> *S. epidermidis* capture probe

<400> 318  
 gtatgcacga aacttctaaa 20

<210> 319  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> *S. haemolyticus* capture probe

<400> 319  
 gtatccatga cacttctaaa 20

<210> 320  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> *S. hominis* capture probe

<400> 320

ggtatcaaag aaacttctaa a

21

<210> 321

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> S. saprophyticus capture probe

<400> 321

atgcaagaag aatcaagcaa

20